

Certified Validation Report

Audit Information:

Water Supplier Name: North Marin Water District

PWS ID: 2110003

System Type: Potable

Audit Period: Calendar year 2018

Utility Representation: David Ladd (Operations / Maintenance Program Assistant)

Validation Date: 7/11/2019

Validation Findings & Confirmation Statement:

Key Audit Metrics:

Data Validity Score: 73 Data Validity Band (Level): Band IV (71-90)

ILI: 0.04

Real Loss: 2.81 (gal/conn/day)

Apparent Loss: 2.53 (gal/conn.day)

Non-revenue water as percent of cost of operating system: 1.1%

Certification Statement by Validator:

This water loss audit report has been Level 1 validated per the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and the California Water Code Section 10608.34.

All recommendations on volume derivation and Data Validity Grades were incorporated into the water audit. ☒

If not, rejected recommendations are included here.

Validator Information:

Water Audit Validator: Gregory Plumb

Qualifications: Certified California Water Audit Validator, CA-NV AWWA

Certified Validation Report

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Water Audit Period: Calendar year 2018

Water Audit & Water Loss Improvement Steps:

Utility to provide steps taken in preceding year to increase data validity, reduce real loss and apparent loss as informed by the annual validated water audit:

Our data validity score increased from 68 to 73 this year due to two factors. First, the main supply meters for water entering our system from SCWA (water supplier) were consistent and unchanged all year. Previous years have had several meter accuracy issues (documented in prior year water loss audits), and the validity score was increased this year as a result of uninterrupted meter reads from calibrated and consistent meters. The second, and more minor, change is we were able to increase our data validity score for length of mains because our GIS system is fully developed and we are able to report out accurate lengths from it.

Certification Statement by Utility Executive:

This water loss audit report meets the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and the California Water Code Section 10608.34 and has been prepared in accordance with the method adopted by the American Water Works Association, as contained in their manual, *Water Audit and Loss Control Programs, Manual M36, Fourth Edition* and in the Free Water Audit Software version 5.

Executive Name (Print)

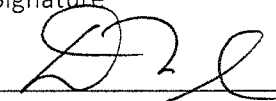
Executive Position

Signature

Date

DREW MCINTYRE

GENERAL MANAGER



9/27/19

Utility Provided